

#16 OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/723,307

DATE: 10/04/2001

TIME: 17:55:12

Input Set : A:\21417914.app

Output Set: N:\CRF3\10042001\I723307.raw

3 <110> APPLICANT: CALENOFF, EMANUEL
 4 DITLOW, CHARLES C.
 6 <120> TITLE OF INVENTION: IMMUNOGENIC CANCER PEPTIDES AND USES THEREOF
 8 <130> FILE REFERENCE: 21417-91482
 10 <140> CURRENT APPLICATION NUMBER: 09/723,307
 C--> 11 <141> CURRENT FILING DATE: 2001-09-19
 13 <160> NUMBER OF SEQ ID NOS: 68
 15 <170> SOFTWARE: PatentIn Ver. 2.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 5
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Artificial Sequence
 22 <220> FEATURE:
 23 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic ✓
 24 peptide
 26 <220> FEATURE:
 27 <221> NAME/KEY: MOD_RES
 28 <222> LOCATION: (3)
 29 <223> OTHER INFORMATION: variable deglycosylated amino acid
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 33 1 5
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 38 <212> TYPE: PRT
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 41 <220> FEATURE:
 42 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic ✓
 43 peptide
 45 <220> FEATURE:
 46 <221> NAME/KEY: MOD_RES
 47 <222> LOCATION: (3)
 48 <223> OTHER INFORMATION: variable deglycosylated amino acid
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 56 <211> LENGTH: 6
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 61 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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 65 <221> NAME/KEY: MOD_RES
 66 <222> LOCATION: (3)..(4)
 67 <223> OTHER INFORMATION: variable deglycosylated amino acid

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69 <400> SEQUENCE: 3
W--> 70 Asn Asn Xaa Xaa Ser Ser
71 1 5
74 <210> SEQ ID NO: 4
75 <211> LENGTH: 5
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77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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83 <220> FEATURE:
84 <221> NAME/KEY: MOD_RES
85 <222> LOCATION: (3)
86 <223> OTHER INFORMATION: variable deglycosylated amino acid
88 <400> SEQUENCE: 4
W--> 89 Asp Lys Xaa Ser Thr
90 1 5
93 <210> SEQ ID NO: 5
94 <211> LENGTH: 5
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
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99 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
100 peptide
102 <220> FEATURE:
103 <221> NAME/KEY: MOD_RES
104 <222> LOCATION: (3)
105 <223> OTHER INFORMATION: variable deglycosylated amino acid
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W--> 108 Gly Thr Xaa Lys Thr
109 1 5
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115 <213> ORGANISM: Artificial Sequence
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121 <220> FEATURE:
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124 <223> OTHER INFORMATION: variable deglycosylated amino acid
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128 1 5
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132 <211> LENGTH: 5
133 <212> TYPE: PRT
134 <213> ORGANISM: Artificial Sequence

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137 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
138 peptide
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143 <223> OTHER INFORMATION: variable deglycosylated amino acid
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W--> 146 Xaa His Ser Glu Gly
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152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
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159 <220> FEATURE:
160 <221> NAME/KEY: MOD_RES
161 <222> LOCATION: (3)
162 <223> OTHER INFORMATION: variable deglycosylated amino acid
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166 1 5
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180 <222> LOCATION: (3)
181 <223> OTHER INFORMATION: variable deglycosylated amino acid
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190 <212> TYPE: PRT
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198 <221> NAME/KEY: MOD_RES
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Input Set : A:\21417914.app

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212 <220> FEATURE:
213 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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216 <220> FEATURE:
217 <221> NAME/KEY: MOD_RES
218 <222> LOCATION: (3)
219 <223> OTHER INFORMATION: variable deglycosylated amino acid
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223 1 5
226 <210> SEQ ID NO: 12
227 <211> LENGTH: 5
228 <212> TYPE: PRT
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231 <220> FEATURE:
232 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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236 <221> NAME/KEY: MOD_RES
237 <222> LOCATION: (3)
238 <223> OTHER INFORMATION: variable deglycosylated amino acid
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W--> 241 Lys Asn Xaa His Thr
242 1 5
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246 <211> LENGTH: 5
247 <212> TYPE: PRT
248 <213> ORGANISM: Artificial Sequence
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251 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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254 <220> FEATURE:
255 <221> NAME/KEY: MOD_RES
256 <222> LOCATION: (3)
257 <223> OTHER INFORMATION: variable deglycosylated amino acid
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W--> 260 Ser Ala Xaa Arg Ser
261 1 5
264 <210> SEQ ID NO: 14
265 <211> LENGTH: 5
266 <212> TYPE: PRT
267 <213> ORGANISM: Artificial Sequence

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269 <220> FEATURE:
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273 <220> FEATURE:
274 <221> NAME/KEY: MOD_RES
275 <222> LOCATION: (3)
276 <223> OTHER INFORMATION: variable deglycosylated amino acid
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      280 1 5
283 <210> SEQ ID NO: 15
284 <211> LENGTH: 5
285 <212> TYPE: PRT
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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292 <220> FEATURE:
293 <221> NAME/KEY: MOD_RES
294 <222> LOCATION: (3)
295 <223> OTHER INFORMATION: variable deglycosylated amino acid
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W--> 298 Ser Lys Xaa Gln Ser
      299 1 5
302 <210> SEQ ID NO: 16
303 <211> LENGTH: 5
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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311 <220> FEATURE:
312 <221> NAME/KEY: MOD_RES
313 <222> LOCATION: (3)
314 <223> OTHER INFORMATION: variable deglycosylated amino acid
316 <400> SEQUENCE: 16
W--> 317 Pro Gly Xaa Arg Thr
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321 <210> SEQ ID NO: 17
322 <211> LENGTH: 5
323 <212> TYPE: PRT
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
328 peptide
330 <220> FEATURE:
331 <221> NAME/KEY: MOD_RES
332 <222> LOCATION: (3)
333 <223> OTHER INFORMATION: variable deglycosylated amino acid

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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

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Input Set : A:\21417914.app

Output Set: N:\CRF3\10042001\I723307.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:32 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41
L:811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43
L:849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47

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L:925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:944 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50